Original / Duplicate / Triplicate

# CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Final bill  Date.....20.....

Division: Yelahanka Projects.
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.....

**Name of Work**: Improvements to Main roads and drains at Shivanahalli.

**Job Code No:** 001-18-000021  **Est. cost: 200.00 lakhs**

**Name of Contractor and Full Address : M/s KRIDL, Bangalore.**

Work Order No: EE(project)/YNKZone/NO/132/2017-18. , **Dated :** 05.03.2018.

Certified that the measurements were taken by me on 30/04/2018 and recorded in pages 135384 to 135390 of measurement Book No 69/09-10 and that the work is satisfactorily executed.

**Officer-in-charge of work**

**Contractor**

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Certified that the measurements were taken by me on 30.04.2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

**Sub-Division Officer**

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

If Memorandum of Payment

| | | |
|---|---|---|
| 1) Total value of work done or supplies made as per account within | Total Rs: | 1,97,83,955-00 |
| 2) Deduct amount to be held in reserve being.....percent Rs..... | | |
| 3) Deduct amount to be held in Balance | | |
| 4) Deduct Payment : | | |
| a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No..... | | |
| Amount adjusted towards cash advance recovery of | 2% IT- | 395679-00 |
| b) Payments cost store or other materials supplied. | 1% Cess- | 197840-00 |
| Now made recovery of amount creditable to this/other work | 0.1% CBF- | 19784-00 |
| Amount paid on this bill Cheque/Cash | LR- | 243343-00 |
| 5) Balance being unpaid value of work done held in reserve | 5% FSD- | 989198-00 |
| 6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments | Adjs. | 18,45,844-00 |
| 7) Net amount due to or from contractor | | |
| Unadjusted items | | |
| 8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied | Cheque: | 1,79,38,111-00 |

**Contractor's Signature**

Received Rs..... (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

(For use in the Office)
Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Audited & Admitted for Rs.....
Rs: 1,97,83,955-00

Dated.....Signature of Contractor

Assistant Executive Engineer
Byataravanapura Sub-division
KRIDL, BBMP, Bangalore

Rs: 1,79,38,111-00 by Cheque
and Rs. 18,45,844-00 by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
Project Division
B.B.M.P.
03/05

Exe. Engineer
Project Division
B.B.M.P
3/5

**Executive Engineer**

**Initials of Officer Making Payment**

# BRUHAT BANGALORE MAHANAGARA PALIKE

## Name of Work: Improvements to Main roads and drains at Shivanahalli

## ABSTRACT

| Sl No | Description of Work | Unit | As per Shedule -B | | | Previous Measurement | | Present Measurement | | | Up to date | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rate | Amount | Qty | Amount | Qty | Rate in Rs. | Amount | Qty | Amount |
| 1 | Removing and refixing stone slabs of drains and pointing in CM (1:3) | Sqm | 491.70 | 89.42 | 43968.60 | – | – | 490.38 | 89.42 | 43850.56 | 490.38 | 43850.56 |
| 2 | KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. | Sqm | 6016.00 | 7.06 | 42470.55 | – | – | 6013.97 | 7.06 | 42456.22 | 6013.97 | 42456.22 |
| 3 | KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications. | Cum | 778.92 | 180.48 | 140580.42 | – | – | 768.02 | 180.48 | 138612.90 | 768.02 | 138612.90 |
| 4 | Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., | Sqm | 287.10 | 738.90 | 212139.57 | – | – | 285.95 | 738.90 | 211286.13 | 285.95 | 211286.13 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4.1.3 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. | Cum | 58.59 | 5937.12 | 347866.07 | - | - | 58.53 | 5937.12 | 347482.03 | 58.53 | 347482.03 |
| 6 | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. | Cum | 117.18 | 7072.54 | 828760.54 | _ | _ | 117.05 | 7072.54 | 827869.40 | 117.05 | 827869.40 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. | Sqm | 892.80 | 344.74 | 307787.20 | - | - | 891.84 | 344.74 | 307456.31 | 891.84 | 307456.31 |
| 8 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | Tn | 7.03 | 71310.20 | 501367.73 | - | - | 6.98 | 71310.20 | 497504.07 | 6.98 | 497504.07 |
| 9 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. | Sqm | 334.80 | 2100.00 | 703080.00 | - | - | 334.44 | 2100.00 | 702324.00 | 334.44 | 702324.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. | Cum | 3348.72 | 138.12 | 462637.28 | - | - | 3347.63 | 138.12 | 462387.12 | 3347.63 | 462387.12 |
| 11 | KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 | Sqm | 8341.80 | 5.88 | 49074.81 | - | - | 8341.80 | 5.88 | 49074.81 | 8341.80 | 49074.81 |
| 12 | KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material | Cum | 1674.36 | 1848.44 | 3094951.65 | - | - | 1673.82 | 1848.44 | 3093947.03 | 1673.82 | 3093947.03 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | [illegible] spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | Cum | 1883.66 | 1962.57 | 3695602.54 | - | - | 1883.04 | 1962.57 | 3695602.54 | 1883.04 | 3695602.54 |
| 14 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. | Sqm | 8227.80 | 30.59 | 251701.57 | - | - | 8224.58 | 30.59 | 251603.14 | 8224.58 | 251603.14 |
| 15 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. | Sqm | 9875.10 | 12.94 | 127809.47 | - | - | 9873.58 | 12.94 | 127789.83 | 9873.58 | 127789.83 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | [illegible] dense graded bituminous concrete using crushed aggregates of specified grading, premixed with VG-30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen | Cum | 411.39 | 7903.22 | 3251306.68 | - | - | 411.23 | 7903.22 | 3250035.15 | 411.23 | 3250035.15 |
| 17 | KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with5.4 % VG-30 Bitumen | Cum | 395.00 | 9011.58 | 3559609.91 | – | – | 394.94 | 9011.58 | 3559062.91 | 394.94 | 3559062.91 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. | Sqm | 357.60 | 602.42 | 215426.11 | - | - | 111.88 | 322.94 | 115038.18 | 316.96 | 115039.56 |
| | **Total** | | | | **17837229.63** | | | | | **17823383.72** | | **17823383.72** |
| | **Add KRIDL Charges 11.0%** | | | | **1962095.26** | | | | | **1960572.21** | | **1960572.21** |
| | **Grand Total** | | | | **19799324.89** | | | | | **19783955.93** | | **19783955.93** |

**CERTIFICATE**

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Engineer

Newzen Consultants Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore